

**SELECTIVE DISPENSING OF LAUNDRY ADDITIVES DURING AUTOMATIC
MACHINE LAUNDERING OF FABRICS**

ABSTRACT

Disclosed are systems, methods, devices and kits for the timed dispensing of laundry additive materials into the drum during a cycle of a multiple cycle fabric laundering operation. To bring about such dispensing of additives, a housing structure device having multiple chambers is placed within the drum of an automatic washing machine, a unit dose insert package, containing laundry additives in at least one compartment of the insert, is placed within the housing structure, and the machine is run through the several stages of its laundering cycle. A piercing element is provided to open the compartment of the insert in the laundering cycle to dispense contents of this compartment into the washing machine drum as rinse additive materials. The contents move from the insert to the first chamber of the housing structure device by centrifugal force arising during the first spin cycle of the laundering operation. The centrifugal force also holds the contents within the first chamber until cessation of the spin cycle. The contents move from the second chamber to the third chamber to be dispensed from the housing structure into the washing machine drum upon cessation of the spin cycle and during the second spin cycle.